

## **The Role of Sustainable Development in the Design and Planning of Smart Cities Using GIS Techniques: Models of Arab Cities**

**Authors :** Ahmed M. Jihad

**Abstract :** The paper presents the concept of sustainable development, and the role of geographic techniques in the design, planning and presentation of maps of smart cities with geographical vision, and the identification of programs and tools, and models of maps of Arab cities, is the problem of research in how to apply, process and experience these programs? What is the role of geographic techniques in planning and mapping the optimal place for these cities? The paper proposes an addition to the designs of Iraqi cities, as it can be developed in the future to serve as a model for interactive smart cities by developing its services. The importance of this paper stems from the concept of sustainable development dynamic which has become a method of development imposed by the present era in rapid development to achieve social balance and specialized programs in draw paper argues that ensuring sustainable development is achieved through the use of information technology. The paper will follow the theoretical presentation of the importance of the concept of development, design tools and programs. The paper follows the method of analysis of modern systems (System Analysis Approach) through the latest programs will provide results can be said that the new Iraqi cities can be developed with smart technologies, like some of the Arab and European cities that were newly created through the introduction of international investment, and therefore Plans can be made to select the best programs in manufacturing and producing maps and smart cities in the future.

**Keywords :** geographic techniques, planning the cities, smart cities, sustainable development

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